No. 1

Weaning food and *magadi* associated with dental fluorosis in Northern Tanzania 1
Aminmohamed K. Awadia, Kjell Bjorvatn, Jan M. Birkeland and Ola Haugejorden

Salivary buffer effect in relation to late pregnancy and postpartum 8
Merja Laine and Kaisu Pienihäkkinen

Knowledge, beliefs and behavior related to oral health among Tanzanian and Ugandan teacher trainees 11
Anne Nordrehaug Åstrøm, Watiti Jackson and Ibrahim E. A. T. Mwangosi

A Swedish version of the Dental Visit Satisfaction Scale 19
Magnus Hakeberg, Ellie Heidari, Moa Norinder and Ulf Berggren

Periodontal status of adult Sudanese habitual users of miswak chewing sticks or toothbrushes 25
Ismail A. Darout, Jasim M. Albandar and Nils Skaug

Effect of acid-etching on remineralization of enamel white spot lesions 31
Susan Al-Khateeb, Rob Exterkate, Birgit Angmar-Månsson and Bob ten Cate

Psychosocial aspects of dental and general fears in dental phobic patients 37
Kajsa Henning Abrahamsson, Ulf Berggren and Sven G. Carlsson

In vitro shear bond strength of orthodontic bondings without liquid resin 44
Alexander T. H. Tang, Lars Björkman, Ewa Adamczyk, Anna Andlin-Sobocki and Jan Ekstrand

No. 2

Dental maturity in Finns and the problem of missing teeth 49
Marjatta Nyström, Liisa Aine, Leena Peck, Kaarina Haavikko and Matti Kataja

Permeability of protective gloves by HEMA and TEGDMA in the presence of solvents 57
Erik C. Munksgaard

Model of the dentist–patient consultation in a clinic specializing in the treatment of dental phobic patients: a qualitative study 63
Károly R. Kulich, Ulf Berggren and Lillemor R.-M. Hallberg

First two-year complications of fixed partial dentures, eight units or more. Swedish Guarantee Insurance claims 72
Bengt Öwall and Runo Cronström

Interfacial adaptation of a Class II polyacid-modified resin composite/resin composite laminate restoration *in vivo* 77
Anders Lindberg, Jan W. V. van Dijken and Per Hörstedt

Popliteal pterygium syndrome in a Swedish family—clinical findings and genetic analysis with the van der Woude syndrome locus at 1q32-q41 85
Fung Ki Wong and Britt Gustafsson

Trends in reasons for tooth extractions in Norway from 1968 to 1998 89
Tordis A. Trovik, Kristin S. Klock and Ole Haugejorden

No. 3

Age of restorations at replacement in permanent teeth in general dental practice 97
Ivar A. Mjör, Jon E. Dahl and Jacquelyn E. Moorhead

Attitudes to dental health and care among 20 to 25-year-old Swedes: results from a questionnaire 102
Per Stenberg, Jan Håkansson and Sigvard Åkerman

Neuroendocrine cells in Malassez epithelium and gingiva of the cat 107
Inger Hals Kvinnsland, Osamu Tadokoro, Karin J. Heyeraas, Yukishige Kozawa and Vaska Vandevska-Radunovic

No. 1

Weaning food and *magadi* associated with dental fluorosis in Northern Tanzania 1
Aminmohamed K. Awadia, Kjell Bjorvatn, Jan M. Birkeland and Ola Haugejorden

Salivary buffer effect in relation to late pregnancy and postpartum 8
Merja Laine and Kaisu Pienihäkkinen

Knowledge, beliefs and behavior related to oral health among Tanzanian and Ugandan teacher trainees 11
Anne Nordrehaug Åstrøm, Watiti Jackson and Ibrahim E. A. T. Mwangosi

A Swedish version of the Dental Visit Satisfaction Scale 19
Magnus Hakeberg, Ellie Heidari, Moa Norinder and Ulf Berggren

Periodontal status of adult Sudanese habitual users of miswak chewing sticks or toothbrushes 25
Ismail A. Darout, Jasim M. Albandar and Nils Skaug

Effect of acid-etching on remineralization of enamel white spot lesions 31
Susan Al-Khateeb, Rob Exterkate, Birgit Angmar-Månsson and Bob ten Cate

Psychosocial aspects of dental and general fears in dental phobic patients 37
Kajsa Henning Abrahamsson, Ulf Berggren and Sven G. Carlsson

In vitro shear bond strength of orthodontic bondings without liquid resin 44
Alexander T. H. Tang, Lars Björkman, Ewa Adamczyk, Anna Andlin-Sobocki and Jan Ekstrand

No. 2

Dental maturity in Finns and the problem of missing teeth 49
Marjatta Nyström, Liisa Aine, Leena Peck, Kaarina Haavikko and Matti Kataja

Permeability of protective gloves by HEMA and TEGDMA in the presence of solvents 57
Erik C. Munksgaard

Model of the dentist–patient consultation in a clinic specializing in the treatment of dental phobic patients: a qualitative study 63
Károly R. Kulich, Ulf Berggren and Lillemor R.-M. Hallberg

First two-year complications of fixed partial dentures, eight units or more. Swedish Guarantee Insurance claims 72
Bengt Öwall and Runo Cronström

Interfacial adaptation of a Class II polyacid-modified resin composite/resin composite laminate restoration *in vivo* 77
Anders Lindberg, Jan W. V. van Dijken and Per Hörstedt

Popliteal pterygium syndrome in a Swedish family—clinical findings and genetic analysis with the van der Woude syndrome locus at 1q32-q41 85
Fung Ki Wong and Britt Gustafsson

Trends in reasons for tooth extractions in Norway from 1968 to 1998 89
Tordis A. Trovik, Kristin S. Klock and Ole Haugejorden

No. 3

Age of restorations at replacement in permanent teeth in general dental practice 97
Ivar A. Mjör, Jon E. Dahl and Jacquelyn E. Moorhead

Attitudes to dental health and care among 20 to 25-year-old Swedes: results from a questionnaire 102
Per Stenberg, Jan Håkansson and Sigvard Åkerman

Neuroendocrine cells in Malassez epithelium and gingiva of the cat 107
Inger Hals Kvinnsland, Osamu Tadokoro, Karin J. Heyeraas, Yukishige Kozawa and Vaska Vandevska-Radunovic

Dental conditions in middle-aged and older people in Denmark and Sweden: a comparative study of the influence of socioeconomic and attitudinal factors 113
Sigvard Palmqvist, Björn Söderfeldt, Merete Vigild and Jakob Kihl

Longitudinal radiological study of the oral health parameters in an elderly Finnish population 119
Timo O. Närhi, Kati Leinonen, Juhani Wolf and Anja Ainamo

Perioral and dental perception of mechanical stimulus among subjects with and without awareness of bruxism 125
Jarkko Mäntyvaara, Tommy Sjöholm and Antti Pertovaara

Changes in masticatory mandibular movements in growing individuals: a six-year follow-up 129
Georgos Papargyriou, Heidrun Kjellberg and Stavros Kiliaridis

Swedish dentists' decisions on preparation techniques and restorative materials 135
Hans Sundberg, Ingegerd Mejàre, Ivar Espelid and Anne Björg Tveit

No. 4

Dental caries in adult Lithuanians 143
Rasa Skudutyte, Jolanta Aleksejuniene and Harald M. Eriksen

Assessment of the validity and consequences of different methods of expressing the severity of dental fluorosis in a subject 148
Charles Mugisha Rwenyonyi, Jan Magne Birkeland and Ola Haugejorden

Effects of a high sucrose diet and intragastric sucrose feeding on the dentinogenesis, dental caries, and mineral excretion of the young rat 155
Esa Pekkala, Eeva-Liisa Hietala, Matti Puukka and Markku Larmas

Correlations between total protein, lysozyme, immunoglobulins, amylase, and albumin in stimulated whole saliva during daytime 160
Panu J. F. Rantonen and Jukka H. Meurman

Comparison of oral hygiene efficacy of one manual and two electric toothbrushes 166
Anne Merete Aass and Per Gjermo

Type X collagen in human enamel development: a possible role in mineralization 171
Szabolcs Felszeghy, Krisztina Holló, László Módis and Mikko J. Lammi

Trends and prognoses of dental status in the Swedish population: analysis based on interviews in 1975 to 1997 by Statistics Sweden 177
Tor Österberg, Gunnar E. Carlsson and Valter Sundh

Genetic diversity of *Porphyromonas gingivalis* and its possible importance to pathogenicity: a review 183
Nurdan Özmeriç, Hans Ragnar Preus and Ingar Olsen

Erratum 188

No. 5

The Acta Odontologica Scandinavica Award for Excellent Contributions to Dental Research for 2000 189
Folke Lagerlöf

Genetic basis of tooth development and dental defects 191
Irma Thesleff

Progression rate of approximal carious lesions in Swedish teenagers and the correlation between caries experience and radiographic behavior. An analysis of the survival rate of approximal caries lesions 195
Annika Gustafsson, Björn Svenson, Eva Edblad and Leif Jansson

Prevalence and determinants of periodontal disease in Portuguese adults: results from a multifactorial approach 201
Manuel Desport Marques, Armando Teixeira-Pinto, Altàmiro da Costa-Pereira and Harald M. Eriksen

Self-reported health complaints among general dental practitioners, orthodontists, and office employees 207
Eero Kerosuo, Heidi Kerosuo and Lasse Kanerva

Perceived competition in private dental practice in Finland 213
Risto Tuominen and Jaakko Palmujoki

The effect of heat- and auto-polymerized denture base polymers on clonogenicity, apoptosis, and necrosis in fibroblasts: denture base polymers induce apoptosis and necrosis 217
Mihaela R. Cimpan, Roald Matre, Lill Irene Cressey, Berit Tysnes, Stein Atle Lie, Bjørn Tore Gjertsen and Nils Skaug

Radix mesiolingualis and radix distolingualis in a collection of permanent maxillary molars 229
Ole Carlsen and Verner Alexandersen

No. 6

Associations between thoracic kyphosis, head posture, and craniofacial morphology in young adults 237
Inta Zepa, Kirsti Hurmerinta, Outi Kovero, Maunu Nissinen, Mauno Könönen and Jan Huggare

Oral health behavior and attitudes of adults in Lithuania 243
Poul E. Petersen, Jolanta Aleksejuniene, Lise B. Christensen, Harald M. Eriksen and Isuf Kalo

Immunolocalization of interleukin-8 and proliferating cell nuclear antigen in gingival keratinocytes in patients with periodontitis 249
F. Jarnbring, A. Gustafsson and B. Klinge

Avoidance of dental visits: the predictive validity of three dental anxiety scales 255
Ole Haugejorden and Kristin S. Klock

Trends in dental and medical research and relevance of randomized controlled trials to common activities in general dentistry 260
Petteri Sjögren and Arne Halling

Hyposalivation and iron stores among individuals with and without active dental caries 265
Håkan Flink, Åke Tegelberg and Stefan Sörensen

Changes in TMD signs and in mandibular movements from 10 to 15 years of age in relation to articulatory speech disorders 272
Riitta H. Pahkala and Maija T. Laine-Alava

Sealants and xylitol chewing gum are equal in caries prevention 279
Pentti Alanen, Marja-Leena Holsti and Kaisu Pienihäkkinen

Efficacy of a slow-release device containing fluoride, xylitol and sorbitol in preventing infant caries 285
Antti S. Aaltonen, Jouko T. Suhonen, Jorma Tenovuo and Irma Inkilä-Saari

Outcomes of mandibular third-molar removal and non-removal: a study of patients' preferences using a multi-attribute method 293
Rolf Liedholm, Kerstin Knutsson, Leif Lysell, Madeleine Rohlin, Mark Brickley and Jonathan P. Shepherd

Growth hormone and cortisol in serum and saliva 299
Panu J. F. Rantonen, Ilkka Penttilä, Jukka H. Meurman, Kari Savolainen, Sakari Närvänen and Tuula Helenius